



# *Health Information Infrastructure Advisory Board Presentation*

**PUBLIC HEALTH**  
ALWAYS WORKING FOR A SAFER AND  
**HEALTHIER WASHINGTON**

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# Presentation Goals

- Provide Background on DOH & Public Health System in Washington
- Overview of Major Health IT Systems in DOH
- Questions

# Background

- Public Health System in Washington
- State Department of Health
  - Cabinet level agency
  - 1300 employees
- 35 Local Health Jurisdictions (LHJs)
- LHJs autonomous except in failure to act

# Objectives

## WHAT:

- Integrate Data Systems into a Unified Public Health System
- Provide PH Data for Decision Support in the clinical and PH communities

## HOW:

- Build Systems Separately but Assure Compatibility
- Follow Sound Information Resource Management (IRM) Principles

# Washington Electronic Disease Surveillance System (WEDSS)

- Public Health Issue Management System (PHIMS)
- Secure Electronic Communication and Urgent Response System (WaSECURES)
- Public Health Reporting of Electronic Data (PHRED)
- Public Health Early Event Detection System (PHEEDS)
- Public Health Infrastructure Support Activity

# Public Health Issue Management System (PHIMS)

- Originated In Thurston County
- Case Management/Investigation System
- LHJ to DOH Reporting
- DOH to CDC Reporting
- First Counties Went Live 1 Year Ago

# Secure Electronic Communication and Urgent Response System (WaSECURES)

- Automated Alerting Functions
- Follow Profile of User
- Provides Verification of Notification
- Role Based
- Went Live 9/1/05

# Public Health Reporting of Electronic Data (PHRED)

- Electronic Lab Reporting
- Labs Report to LHJs via DOH Servers
- Shortens Reporting Time Dramatically
- Go Live in 60 days



# Public Health Early Event Detection System (PHEEDS)

- Syndromic Surveillance
- Cooperative With Johns Hopkins (DOD)
- Data Feed From WA Poison Control Center
- 5 Participating Counties - Hospital ERs
- Phase One During October 2005

# Public Health Infrastructure Support

- Provides Consulting to LHJs IT Infrastructure
- Provides Funding to LHJs for Hardware
- In Third Year of Operations

# First Steps Program

- First Steps Maternity Support Services and Infant Case Management Services
- Client Data and Services Delivery System
- Combined DOH and DSHS Project
- “EMR State of the Market” Report
  - EMR market immature (200 vendors with 12 current leaders)
  - Lack of clear Standards
  - Estimated 5 years to stabilize
- Phase One July 2005 (Business Requirements)

# Chronic Disease Electronic Management System (CDEMS)

- PC-based software for care of chronic conditions (diabetes, cardiac, etc)
- Developed with physician-user input
- Provided at no cost to the user, continued technical support from DOH
- In Production at over 100 clinics in the Washington, and many clinics nation-wide

# Children's Health, Immunization, Linkages and Development Profile (CHILD Profile)

- Childhood Immunization Registry
- Some Adult Immunization Records
- Expansion Modules are Planned
- Operated in cooperation with PHSKC
- In Production

# Comprehensive Hospital Abstracting & Reporting System (CHARS)

- All WA Hospitals Report Discharge Data
- Data Collated and Analyzed
- Report Back Out To All Hospitals
- Report Available to Researchers and Vendors
- New System in Production Since January 2005

# Electronic Death Registration System (EDRS)

- Current Death Registration Can Take Six Weeks
- Electronic Registration - Two Days
- Important to Payers, and Voter Registration
- Deployed to Pierce County August 2005
- Other Counties will follow ASAP

# EMS Registry

- Designated Trauma Services Report
- Clinical Data on Trauma Patients
- Information Supports Quality Improvement
- Evaluate and Improve Trauma System Performance
- In Production



# Washington EMS Information System (WEMSIS)

- Consistent with National EMS data Standard
- Will Collect Prehospital Patient Encounters
- Supports QA, Training, Resource Distribution, and Improvement of System Performance
- In Phase One, Initial Deployment 6/06, Full by 6/07

# Integrated Licensing and Regulatory System (ILRS)

- Contains information about Health Practitioners
- Supports Licensing Function
- Tracks Complaints
- New System (Replaces Functions of 3 Systems)
- RFP released July 2005
- System Goes Live December 2007

ILRS

CDEMS

EDRS

PHEEDS

CHARS

FIRST Steps

CHILD Profile

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WEMIS

EMS Registry

WaSECURES

WEDSS

PHRED

PHIMS

Questions?